

1 / 11

FIG.1

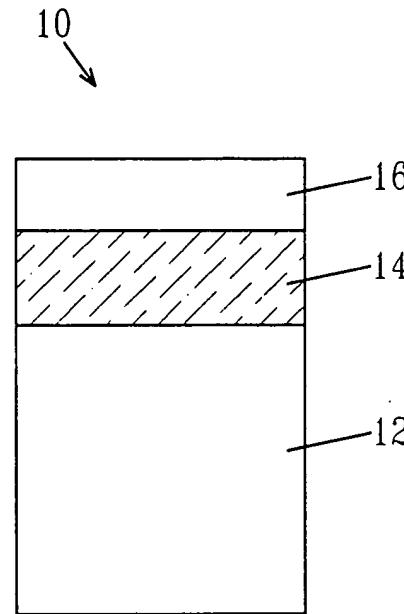
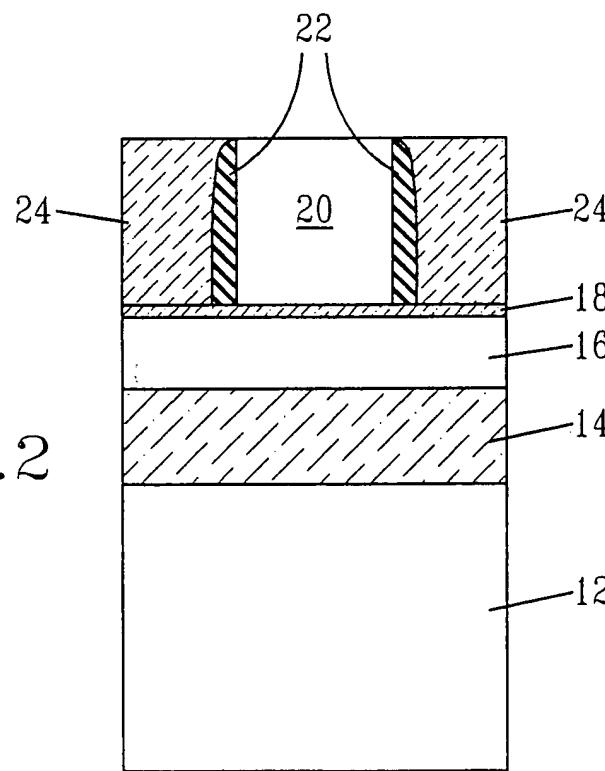


FIG.2



2 / 11

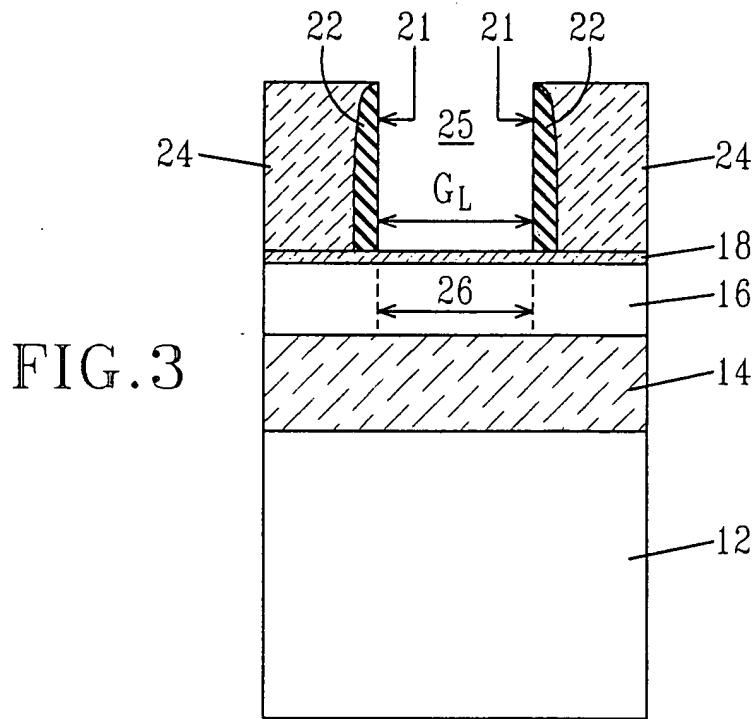


FIG. 3

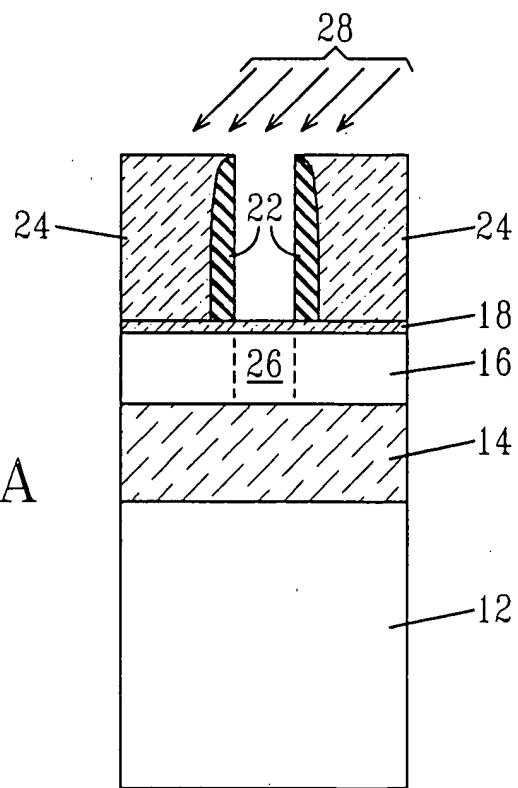
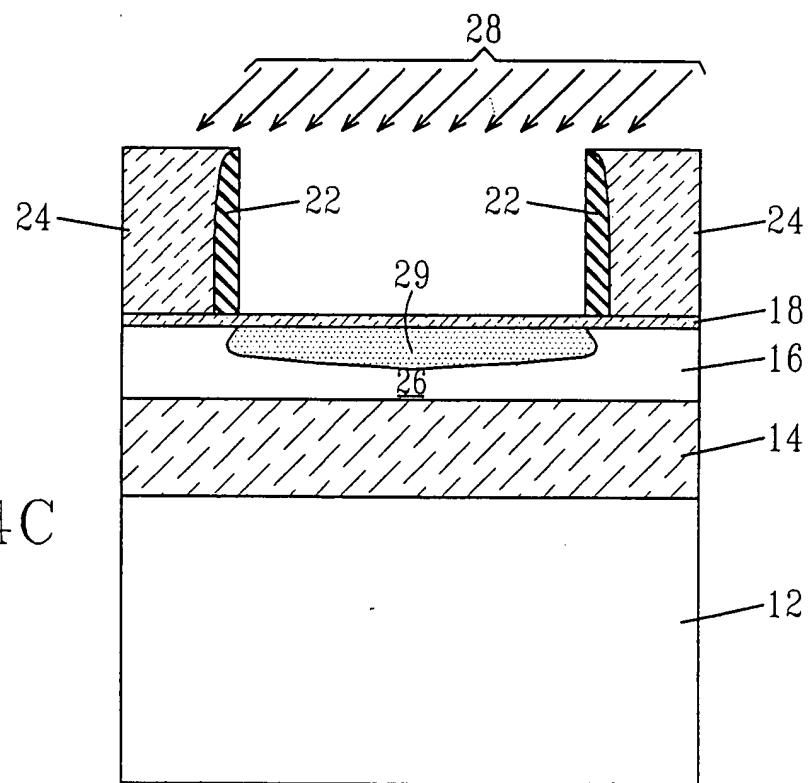
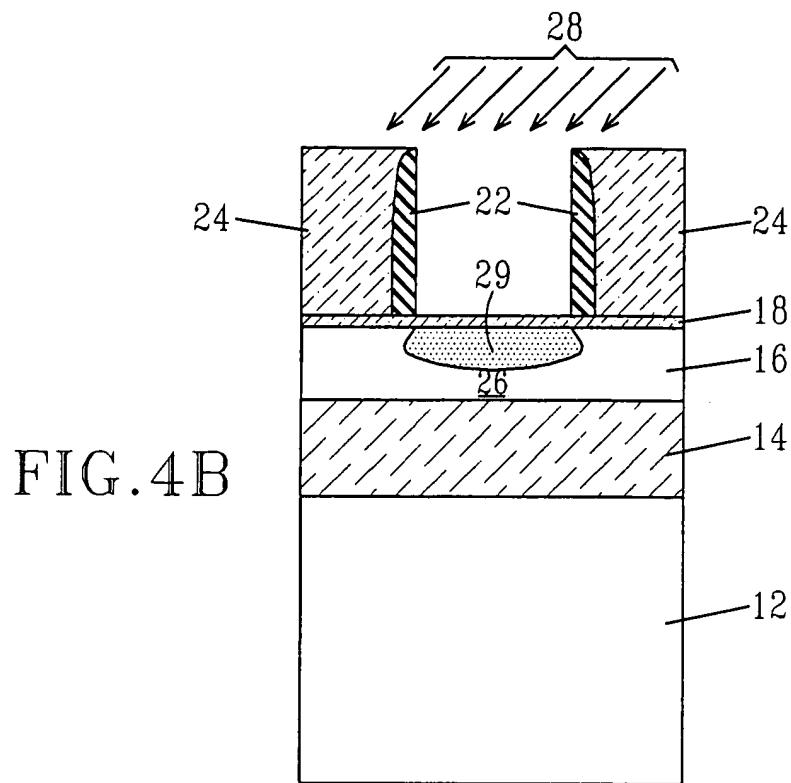
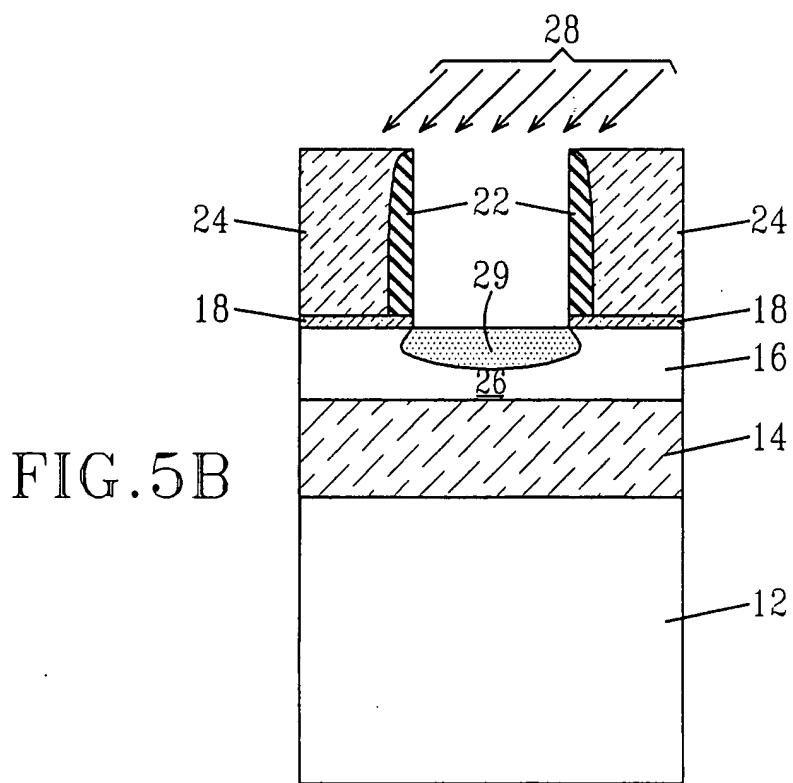
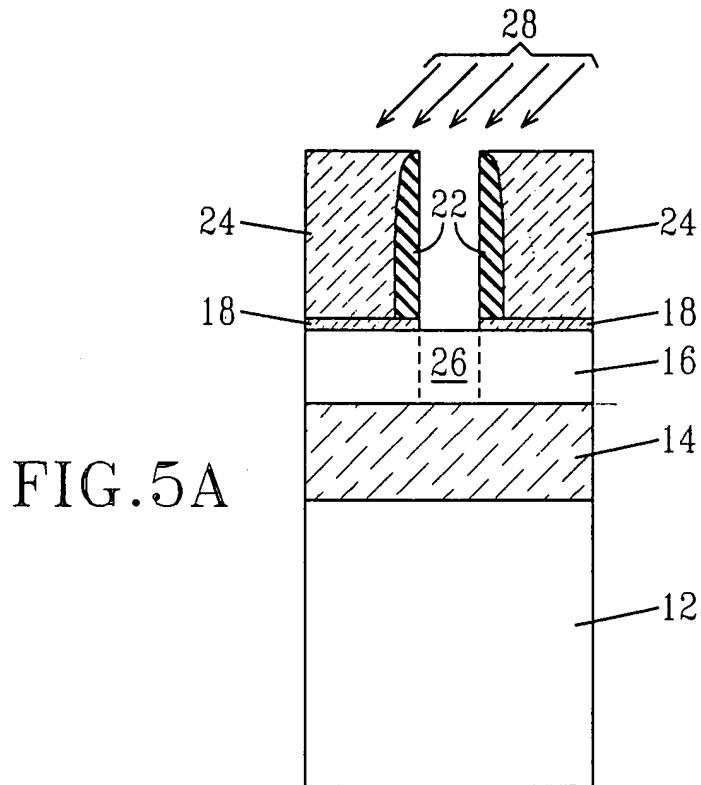


FIG. 4A

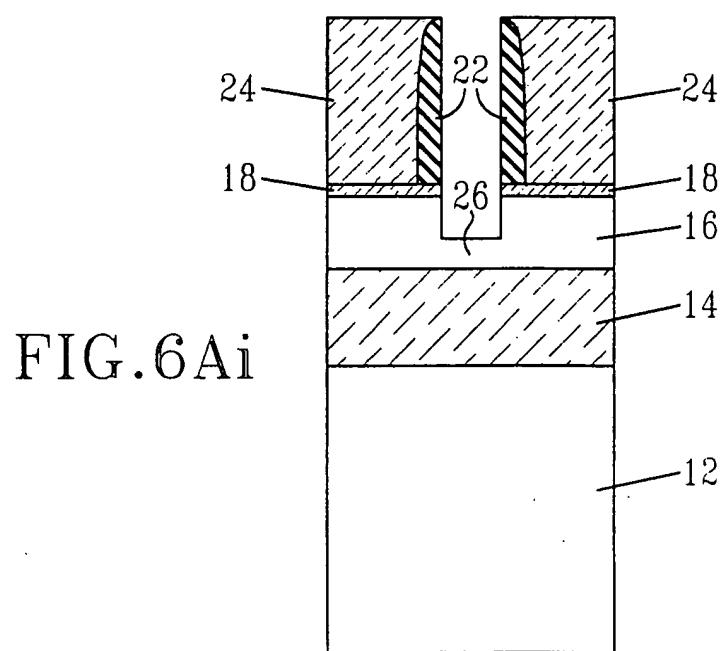
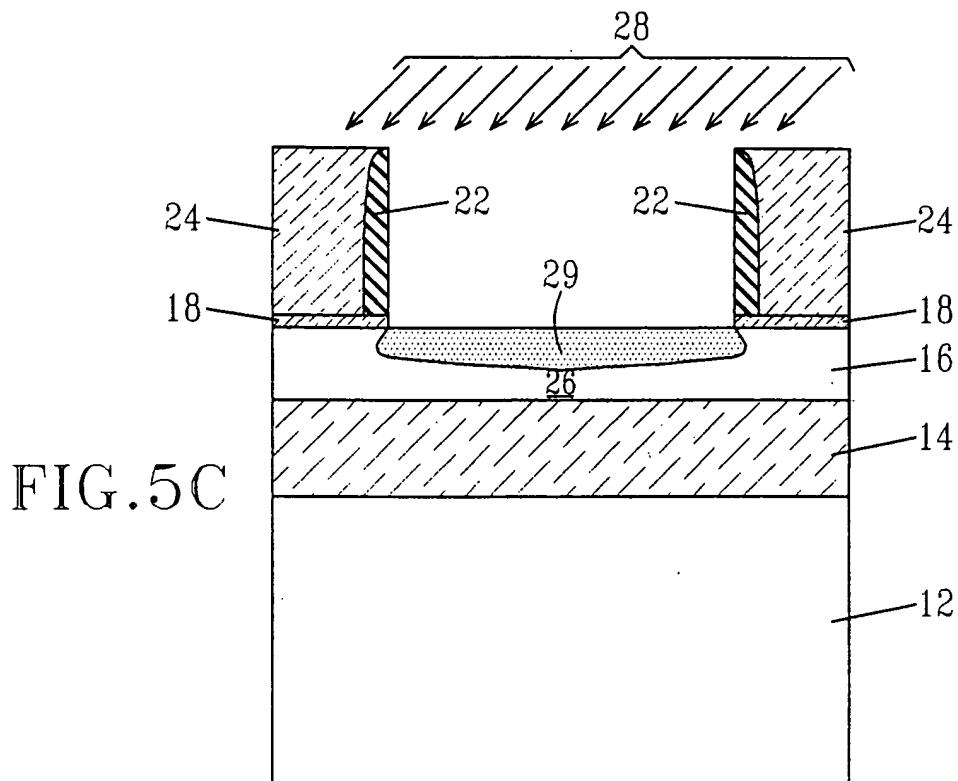
3 / 11



4 / 11



5 / 11



6 / 11

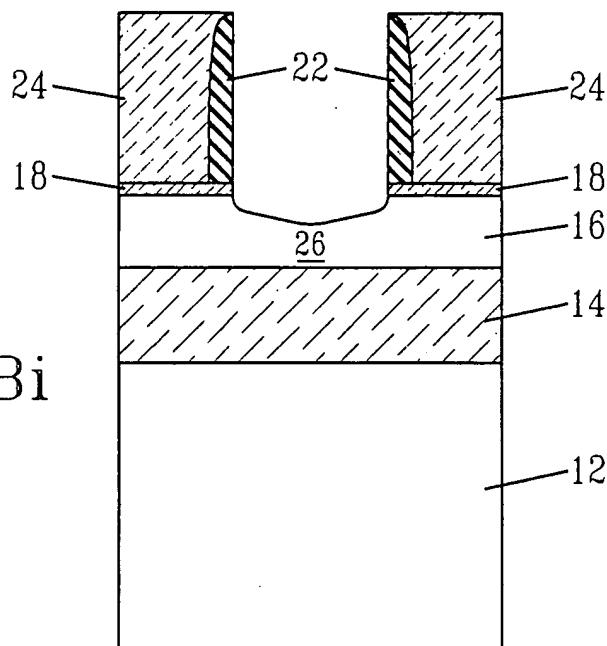


FIG. 6Bi

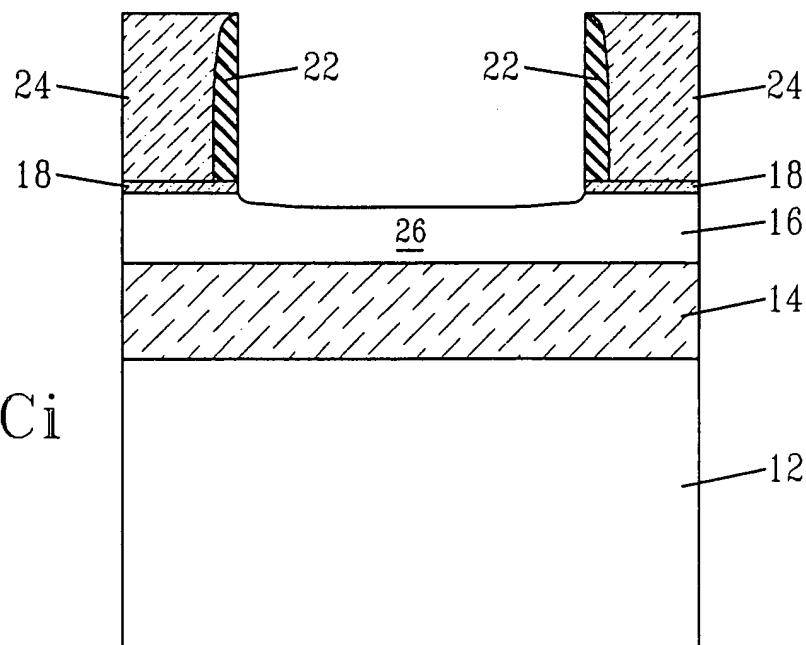


FIG. 6Ci

7/11

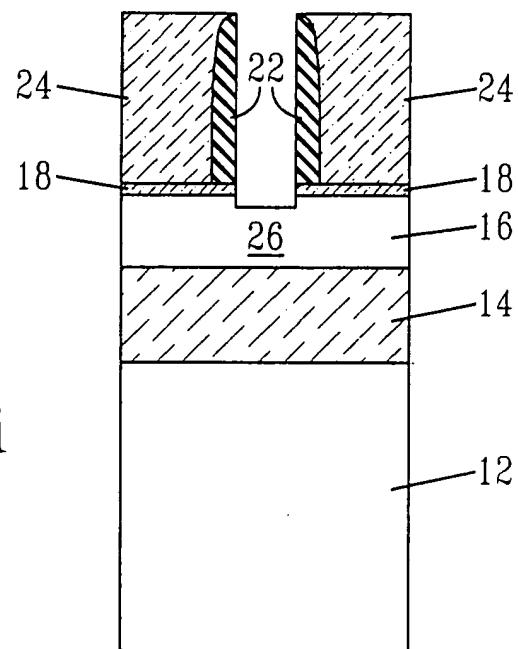


FIG. 6Aii

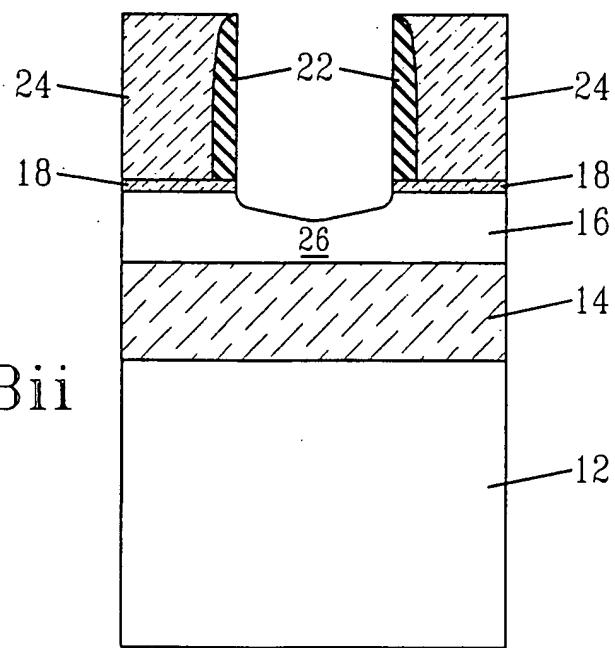


FIG. 6Bii

8 / 11

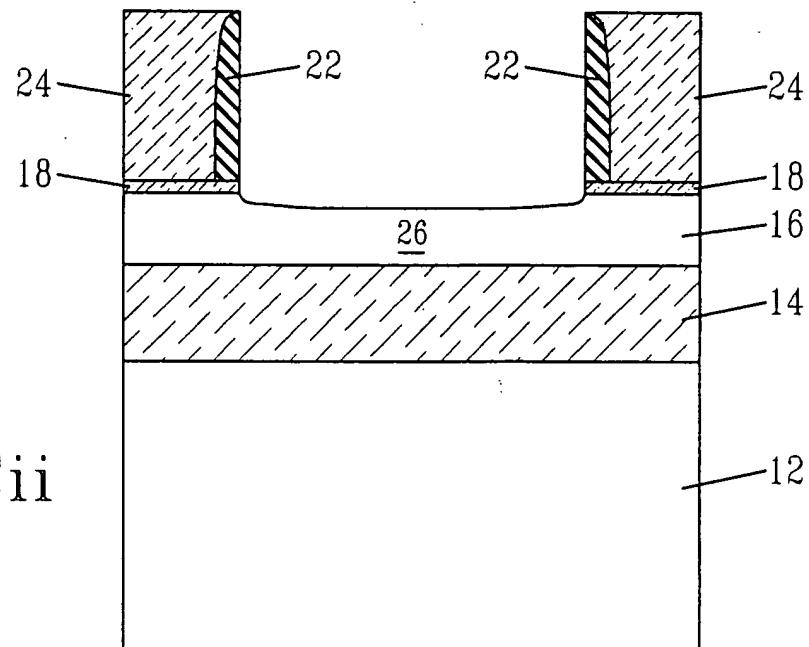


FIG. 6Cii

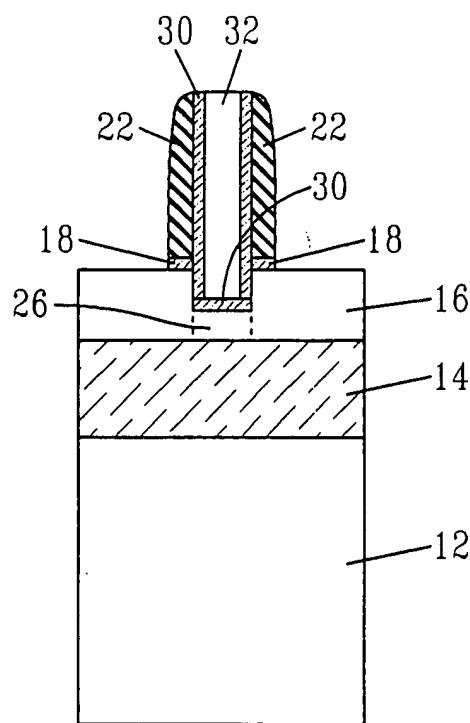
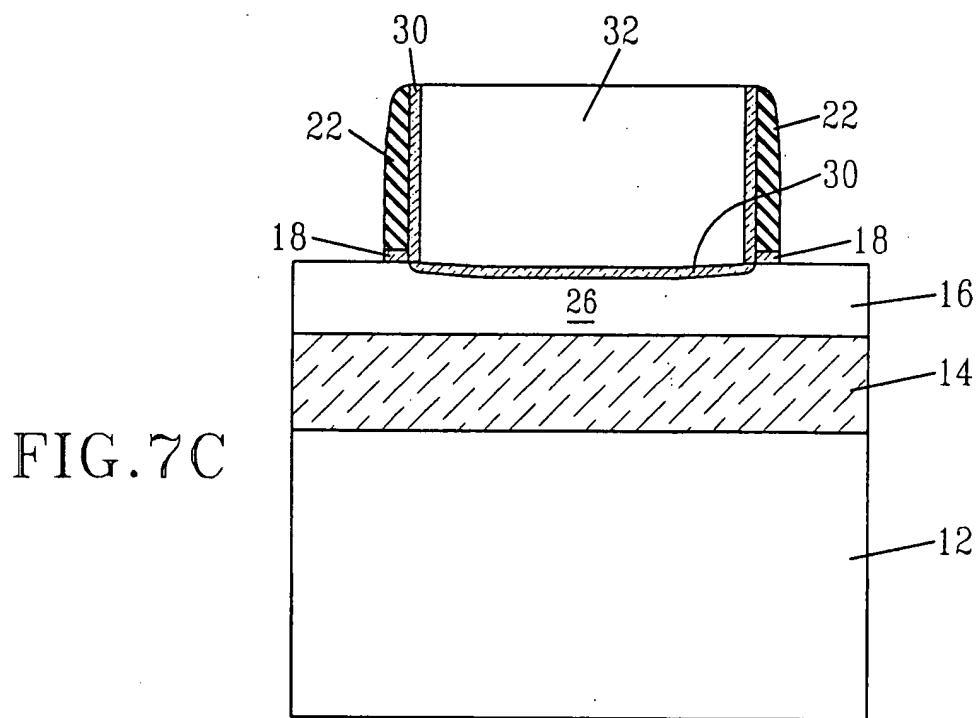
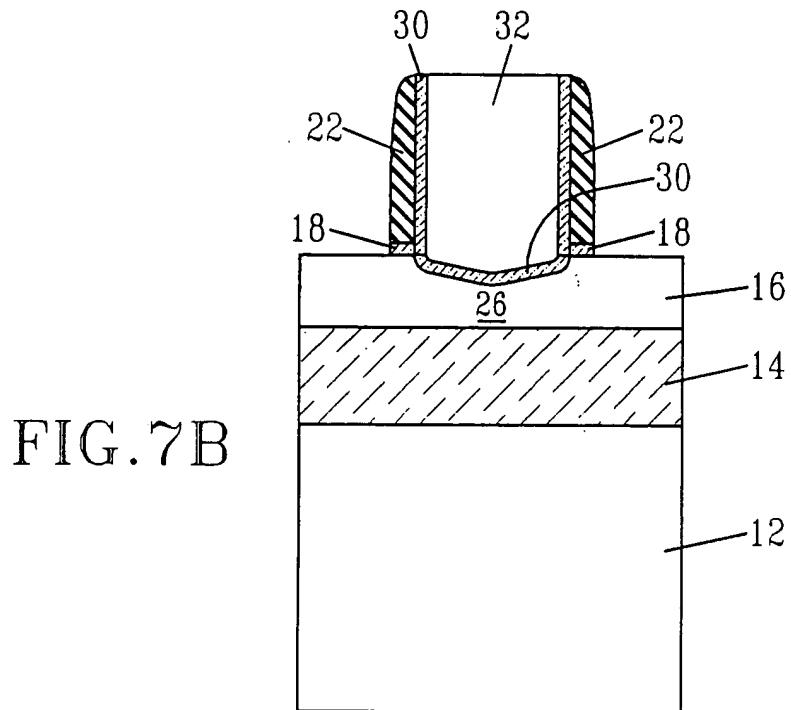


FIG. 7A

9 / 11



10 / 11

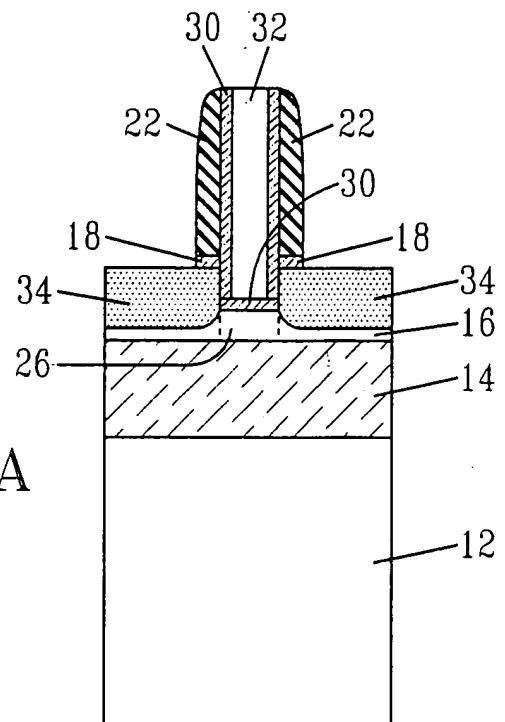


FIG. 8A

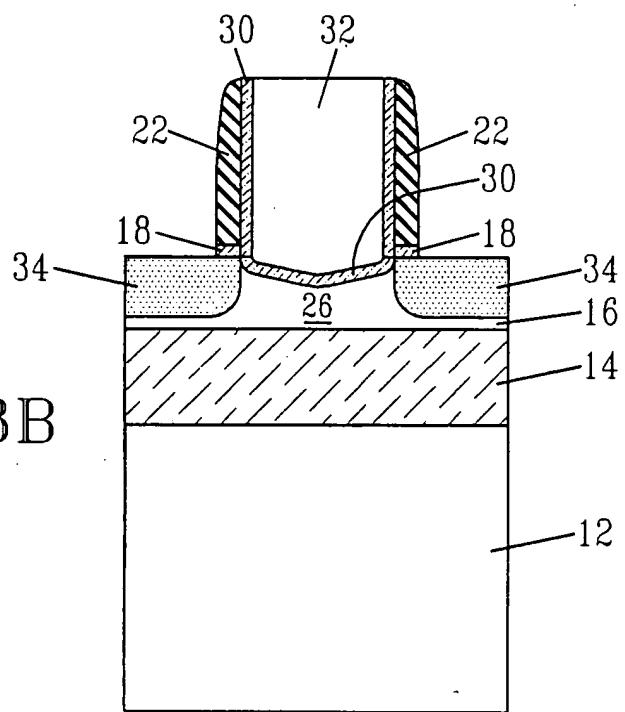
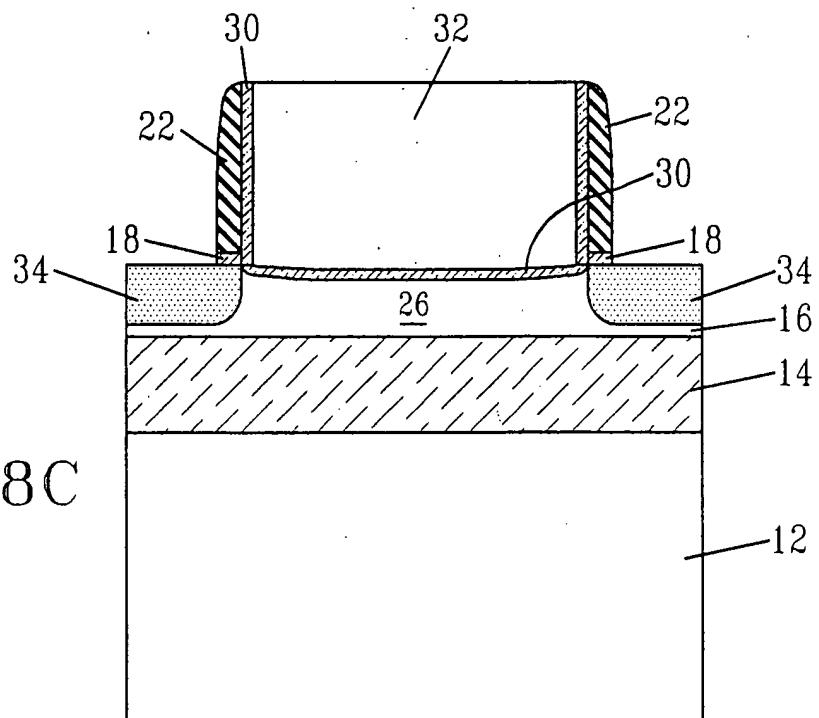


FIG. 8B

11 / 11



$$V_{tsat} = 0.26V \text{ (n-type metal gate)}$$

$$N_B = 1 \times 10^{19} \text{ cm}^{-3}$$

